pyramid 3d™

SOUND DIFFUSING CEILING PANEL

TECHNICAL DATA SHEET BPIR - CLASS 1

Acoustic Ceiling and Wall Solutions

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Technical Data Sheet - BPIR Class 1

Pyramid 3D™ is a made in NZ, acoustic ceiling panel designed to provide scattered reflections for a diffused sound field. Pyramid™ panels break up flutter echo from flat surfaces to enhance music tone quality and speech intelligibility.

Application
Pyramid 3D™ is designed to fit into standard Rondo DONN DX® suspended ceiling grid. Ideal for music rooms, performance halls, theatres etc where speech intelligibility and music tone quality is desirable.

Composition
Manufactured from high density alpha plaster reinforced with glass fibres, natural plaster finish or coated with Resene G10 gloss white paint.

Features & Benefits

- Deeply profiled asymmetric reflective shape.
- Helps create diffused sound field for music tone and speech clarity.
- Fire group 1-S
- Reflective hard high density alpha gypsum composition.
- Standard white or paint finishes available.
- Designed as a lay in ceiling tile.

Technical Specifications:

Item #	Size (nominal)*	Edge
PY200.06.06W.PC	200 x 600 x 600 mm	E24

Accessibility:
All panels are demountable and accessible.

Colour:
Standard finish is natural white plaster, mat black and other paint finishes available to order.

Environmental Impact:
Manufactured locally, product and packaging can be recycled.

Light Reflectance:
ASTM C1477 LR-1, >75%

Limitations:

- For interior use only, and not in direct contact with water.
- Maximum humidity/temperature 95% R/H at 30°C.
- No back loading

Maintenance:
Clean with vacuum, soft brush or damp cloth. Re-coating available, consult Asona.

NZ Building Act
This product is not subject to a warning or ban under Section 26.

NZ Building Code Compliance:

- B2 Durability – Clause B2.3.1 (c) (i): Asona Pyramid 3D™ ceiling tiles with only normal maintenance will have a minimum durability of at least 5 years when installed in accordance with; manufacturer's installation requirements and AS/NZS 2785:2020.
- C3 Fire – Clause C/AS2 4.12.1: Asona Pyramid 3D™ has a Fire Material Group Number 1-S by NZBC Building Product Specification Parts 8.5.4 or 8.5.5, tested in accordance with ISO 9705 or ISO 5660 based on fibre glass reinforced gypsum fire reaction Group rating.

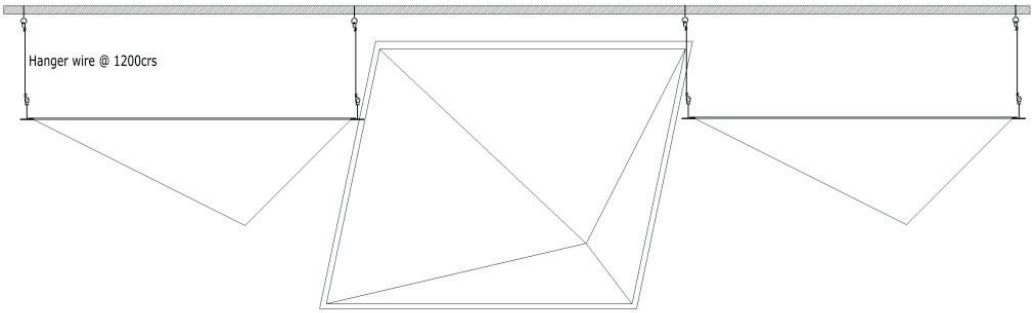
Thermal Resistance: R 0.1 m²°C/W

Warranty: 15 year limited warranty against manufacturing defect when installed in Rondo Donn DX® exposed grid systems supplied by Asona.

Weight: 8 kg/m²

Installation:
Shall not commence until the building is water tight and dry. This product is designed to be mounted into a standard Rondo Donn® DX1H two way exposed grid system and installed to manufacturer's and AS/NZS 2785:2020 Standard's requirements. Allow a minimum of 200 mm plenum for placement of panels, use hold down clips in seismic areas. Seismic design may require a suitably qualified engineer. Care shall be taken when handling tiles to avoid damage. Store panels on pallets in a clean dry place.

Specification:
Ceiling shall be Pyramid 3D™ asymmetrical high density gypsum diffuser ceiling panel as supplied by Asona Ltd, tel: 09 525 6575, info@asona.co.nz, item # PY200.06.06W.PC, 600 x 600 x 200mm mm, finish shall be (natural plaster) (paint Resene G10 White gloss paint), install on Rondo Donn® DX1H two way exposed grid system with 2 x hold down clips per panel. Contractor shall flat pack packaging and return to Asona for reuse and register the ceiling with Asona on practical completion.
(Asona ceiling Masterspec 5311AS specification available).



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*All dimensions are nominal. We reserve the right to change specifications.
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